

01445160 BEAR BROOK AT DARK MOON ROAD, NEAR JOHNSONBURG, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°58'30", long 74°50'56" referenced to North American Datum of 1983, Frelinghuysen Township, Warren County, NJ, Hydrologic Unit 02040105, at bridge on Dark Moon Road, 1.3 mi northeast of Johnsonburg, 1,100 ft upstream from abandoned railroad, and 2.3 mi upstream from mouth.

DRAINAGE AREA.--5.10 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 2001 to current year.

GAGE.--Staff gage.

DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Discharge, in ft ³ /s
Nov 5, 2007	1.72
Feb 4, 2008	8.84
May 12, 2008	9.71
Aug 4, 2008	1.11

01445160 BEAR BROOK AT DARK MOON ROAD, NEAR JOHNSONBURG, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2001 to current year.

REMARKS.--Cooperative Network Site Descriptor: Agricultural Land Use Indicator, NJ Department of Environmental Protection Watershed Management Area 1.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, ft ³ /s (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)
Nov 05...	1010	1.7	.8	.035	.027	747	10.9	96	7.4	471	9.0	9.8	210
Feb 04...	1110	8.8	2.2	.086	.066	756	--	--	7.1	374	3.5	4.0	150
May 12...	1030	9.7	2.2	.110	.083	737	10.3	97	7.5	329	9.0	11.3	120
Aug 05...	1040	1.1	.9	.019	E.015	746	10.6	105	7.8	451	28.0	14.2	210

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO ₃ (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO ₂ (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Nov 05...	49.4	20.1	1.62	12.8	198	21.0	E.08	7.9	18.4	E256	269	4	.15
Feb 04...	37.6	13.3	1.39	18.3	130	31.4	<.12	4.0	16.8	E204	206	4	.26
May 12...	31.1	10.8	.85	16.8	110	27.6	<.12	3.3	12.4	171	189	3	.31
Aug 05...	49.8	20.2	1.39	12.9	194	22.2	E.06	8.1	14.9	E251	277	<1	.16

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 3

[Remark codes: <, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Boron, water, fltrd, µg/L (01020)
Nov													
05...	E.010	1.34	E.03	1.5	E1.5	E.007	E.005	.010	.3	<.04	.3	1.2	11
Feb													
04...	<.010	.77	.09	1.0	1.1	E.004	E.008	.021	.6	<.04	.6	3.1	10
May													
12...	.015	.45	.05	.76	.81	.013	.018	.032	.4	<.04	.4	3.5	10
Aug													
05...	.012	1.26	E.03	1.4	E1.4	E.005	E.006	E.007	.2	<.04	.2	1.0	9.9